

- active

STATINTL

9 February 1960

HX-8

SYCAMORE 9-4171  
RYAN 1-3361

[redacted]  
P. O. Box 974  
15  
Washington 4, D. C.

JRC/1st 60

Subject: Monthly Report - Rectifier Project, T.O. 2

Dear Sir:

A conference between the Contractor and the customer was held on January 12, 1960 during which time the technical requirements creating a delivery extension and funds increase were reviewed.

The completion schedule included in this report shows the current project requirements for time and money. At present, we are essentially meeting the schedule as projected. It will be noted that an extension of two weeks has been added to the control console schedule. This extension resulted from a temporary engineer shortage for video and sweep circuit packaging, however, a new engineer has now been assigned to this task. This area specifically includes packaging of two chasses in the control console. Since minor redesign is required in this area we anticipate no problems that will interfere with the schedule.

The major design problem at present is the film index transducer. Due to fear of delay in delivery of an optical grating for the transducer we are investigating the use of the [redacted] Inductosyn. We feel that the Inductosyn, which has a resolution of .0001 inch, will be very STATINTL satisfactory for this application. The electronic circuitry required for its use is considerably simpler than that required for grating. Pending further information on delivery, we expect this will be a satisfactory solution. STATINTL STATINTL

Another possible problem area is in the use of the [redacted] Ektar F/2 Cathode Ray Tube lens. We wish to use this [redacted] lens but to date we have not been able to get a firm quotation. If any delay should result in this area, it could possibly be prevented by the use of the [redacted] F/2 Lens. This lens has STATINTL proved to have adequate resolving capabilities but appears to be slightly inferior to the [redacted] lens with respect to spectral response.

There have also been delays in delivery of the K1725 Cathode Ray Tubes. At present we have cathode ray tubes for Model No. 1, however, and the delay should not interfere with progress of the project.

Declass Review by NIMA/DOD

An information copy of this report is being submitted directly to the Contracting Officer.

STATINTL

Very truly yours,



Contract Administrator

HRE/pe

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## PHOTOGRAPHIC RECTIFIER-PRINTER WORK SCHEDULE AND PROGRESS CHART

ITEM DESCRIPTION	WORK DESCRIPTION	1959												1960													
		JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
READER AND PRINTER	DESIGN																										
	FABRICATION																										
	TEST																	UNIT#1	UNITS #2,3,4								
CONTROL CONSOLE	DESIGN																										
	FABRICATION																										
	TEST																	UNIT#1	UNITS #2,3,4								
SYSTEM TEST	TEST																				UNIT #1						
	TEST																				UNIT #2						
	TEST																				UNITS 3&4						



## PHASE DIAGRAM FOR PRINTER

2/1/60

ASSEMBLY	PRE DESIGN	DESIGN STATUS	RELEASED	PURCHASED PARTS	FABRICATION	ASSEMBLY	TEST AND REMARKS
Structure	Complete	Complete	Complete	Complete	In Work		
Crt. Housing	Complete	Complete	Complete	In Work	One Complete		
Crt. Elect. Parts	Complete	Complete	In Work	One Complete			
Tract Assembly - X Drive	Complete	Complete	One Complete	One Complete	In Work		
Lead Screw					In Work		
Drive Assembly - "X"	Complete	Complete	One Complete	One Complete	In Work		A.W. Syn. Mtrs. Ordered Cycled 10000 x
Film Index	Complete	Complete	Complete	Complete	Complete	1 Assembly	
Lens Board	Complete	In Work					
Valve (Pneu & Vac)	Complete	Complete	Complete	Complete	In Work		
Platen	Complete	Complete	One Complete	Complete	One Complete		
Cassettes	Complete	Complete	One Complete	Complete	Two Complete	Two Complete	
Doors	Complete	Complete	Complete	Ordered	In Work		
Vac. Pump				One Complete			
Focus Current Regulator	Complete	Complete	Complete	Complete	One Complete	One Complete	
20 K.V.	Complete	Complete	Complete	One Complete	One Complete		
"X" Defl. Amp.	Complete	In Work		Complete			
"Y" Defl. Amp.	Complete	Complete		Complete			

## PHASE DIAGRAM FOR CABINET

<u>ASSEMBLY</u>	<u>PRE DESIGN</u>	<u>DESIGN STATUS</u>	<u>RELEASED</u>	<u>PURCHASED PARTS</u>	<u>FABRICATION</u>	<u>ASSEMBLY</u>	<u>TEST AND REMARKS</u>
1. Rack	Complete	Complete	Complete	1 Unit			
1. Monitor	Complete	Complete					
1. Monitor Control	Complete	To be done					
1. Video Amplifier	Complete	To be done					
1. Sweep Amplifier	Complete	To be done		In Work		In Work	
1. Tape Reader	Complete	To be done					
1. Transportape	Complete	Complete	Complete	Complete	In Work		
1. Reader	Complete	Complete			1 on hand	In Work	
1. Terminal Reader	Complete	In Work			Integral with reader		
1. Program Control	Complete	To be done					
1. Film Index Servo	Complete	In Work					
1. Scan Servo	Complete	In Work					
1. Servo Controller	Complete	In Work					
1. Scan Computer	Complete	In Work					
1. Power Supply	Complete	In Work					
1. Power Supply + 300V	Complete	Complete					
2. Power Supply - 300V	Complete	Complete					
1. Power Supply - General	Complete	In Work					
Cables	Complete	In Work					

<u>ASSEMBLY</u>	<u>PRE DESIGN</u>	<u>DESIGN COMPLETE</u>	<u>RELEASED</u>	<u>PURCHASED PARTS</u>	<u>FABRICATION</u>	<u>ASSEMBLY</u>	<u>TEST AND REMARKS</u>
Structure	Complete	Complete	Complete	Complete	One Complete	In Work	
C.R.T. Housing	Complete	Complete	Complete	Complete	One Complete	One Complete	
C.R.T. Elect Parts	Complete	Complete			One Complete		
Track Assembly - X Drive	Complete	Complete	One Complete	One Complete	In Work		
Lead Screw	Complete	Complete		One Complete	In Work		
P.M.T. Drive	Complete	Complete	Complete	One Complete	One Complete	In Work	
Platen and Index Assembly	Complete	Complete	One Complete	One Incomplete	In Work		Reticles and Align. Sys not complete
Transducer	In Work						
P.M.	Complete	Complete	Complete	Complete	Complete	One Complete	
Value - Pneu. and Vac.	Complete	Complete	Complete	Complete	All Ordered	All Ordered	
Doors	Complete	Complete	Complete	8 Ordered	In Work		
X Deflection Amp	Complete	Schem. Complete 11 Layout Start		Complete	2 Complete		
Y Deflection Amp	Complete	Schem. Complete 11 Layout Start		Complete	2 Complete		
Focus Current Regulator	Complete	Complete	Complete	Complete	One Complete	One Complete	
1 KV. (for P.M.)	Complete	Complete	Complete	One Complete	Complete	One Complete	
20 KV.	Complete	Complete	Complete	One Complete	Complete	One Complete	
Optisyn Pre - Amp	Complete	Complete	Complete	Ordered	Complete	In Work	